

## **SURFACE DRAINAGE, MAIN OR LATERAL CONSTRUCTION SPECIFICATION**

### **1. SCOPE**

The work shall consist of construction of the surface drainage system(s) at the location, and to the dimensions and grades shown on the drawings, and as staked in the field.

### **2. SITE PREPARATION**

The areas to be excavated or occupied by spoil shall be cleared of trees, brush, and other debris so as not to interfere with construction or proper functioning of the drainage system(s).

### **3. SHAPING**

The field ditches, mains, or laterals will be constructed to the specified grades and dimensions. All fills will be compacted as needed to prevent unequal settlement. All earth removed and not needed in the construction of the field ditches, mains, or laterals shall be spread or disposed so not to interfere with the drainage system(s). Spoil should be placed in depressions or on eroded areas and be spread so that the resulting fill is free draining. Where soil conditions are unfavorable for the growth of vegetation, topsoil should be stockpiled and respread to establish a condition favorable to growth and maintenance of vegetation. All spoil areas will be stabilized to prevent erosion.

### **4. OUTLET**

Field ditches, mains, and laterals will empty into stabilized areas where the water can be released on a nonerosive grade. The outlet area will be free and clear of restrictions which will cause ponding or impede flows within the drainage system(s).

### **5. VEGETATION**

Field ditches, mains, and laterals will be protected against erosion by vegetative means as soon after construction as practical. Vegetation, if required, shall be established at the locations shown on the drawings and/or staked in the field.

### **6. EROSION AND POLLUTION CONTROL**

Construction operations will be carried out in such a manner that erosion and air and water pollution will be minimized. State and local laws concerning pollution abatement must be followed.

### **7. ADDITIONAL CONDITIONS WHICH APPLY TO THIS PROJECT ARE:**